HERDA, Miroslav, inz.; JANUSKA, Frantisek, inz.

Technical and economic evaluation of the construction and operation of Czechoslovak coking plants. Hut listy 16 no.10:723-729 O '61.

1. Hutni projekt, Mistek.

L 00280-66 EWT(1)/EPF(n)-2/EED(b)-3/ETC(m) IJP(c) WW
ACCESSION NR: AP5023912 CZ/0039/64/025/009/0505/0508

AUTHOR: Januska, Ivo (Engineer, Candidate of sciences); Kolmer, Felix (Engineer, Candidate of sciences)

TITLE: Development of acoustics in Czechoslovakia during the five years of activities of the acoustics commission

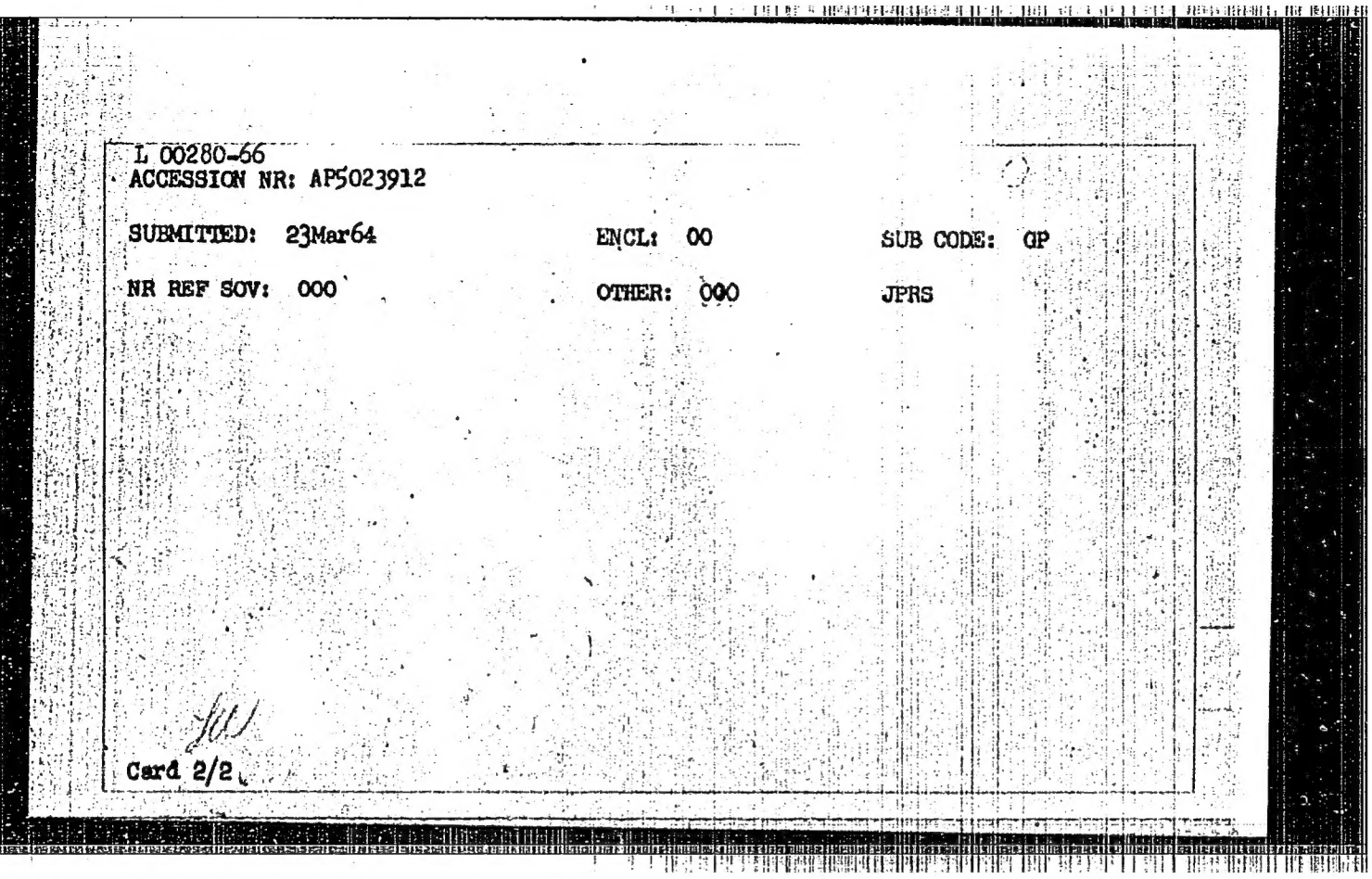
SOURCE: Slaboproudy obzor, v. 25, no. 9, 1964, 505-508

TOPIC TAGS: acoustics, acoustic conference

ABSTRACT: A brief history is presented of the Acoustics Commission at the Czechoslavak Academy of Sciences. A survey is made of the main acoustic fields and problems studied during the past five years: physical acoustics, physiological and psychophysiological acoustics, space acoustics, construction acoustics, noise acoustics, ultrasonics, and acoustics of the language.

ASSOCIATION: Akusticka komise CSAV, Prague (Acoustics Commission CSAV)

Card 1/2



L 00280-66
ACCESSION NR: AP5023912

SUBMITTED: 23Mar64 ENCL: 00 SUB CODE: GP

NR REF SOV: 000 OTHER: 000 JPRS

Card 2/2

JANUSKA, J.; PELC, J.; STROBL, K.

A float air device with commanding attachement. Jeman mech opt 6 no.12:376-379 D '61.

1. Somet n.p.

S/194/62/000/012/014/101
D201/D308

AUTHORS: Januška, Josef and Štrobl, Květoslav

TITLE: A switch-operated pneumatic transducer for testing dimensions

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1962, 25, abstract 12-2-50 d (Automatizace, v. 5, no. 4, 1962, 107-108 (Czech.))

TEXT: The displacement of the membrane of a differential manometer is detected by a connecting rod which sequentially closes the contacts of an 8-track switching spiral. The above contacts are connected in the grid circuits of vacuum tubes, which conduct when the corresponding contact is closed. The signal relays are in the tube anode circuits. With sequential closing of contacts the anode circuit of each preceding tube is opened by the contact of the signal relay of the next tube. The anodes are connected to an a.c. supply. To avoid bouncing the relay windings are shunted by condensers. Since the switching spiral current is limited to 0.1 mA,

Card 1/2

JANUSKA, Josef; PELC, Jaroslav; STROBL, Kvetoslav

A typified multidimensional hole checking equipment. Stroj vyr 10 no.7:349-351 '62.

1. Somet, n.p., Teplice.

DRAHNY, MILOS; JANUSKA, Karel; LEHL, Pavel; NOVAK, Stanislav; BARTL, Josef; BOHAL, Ladislav; HAVLICEK, Rostislav; KORINEK, Stanislav.

Optimization of parameters of a nuclear power station with heterogeneous heavy water reactor on CO_2- cooled natural uranium. Jaderna energie 10 no.7:254 Jl'64

1. Research Institute of Power Engineering, Prague (for Drahny, Januska, Lehl, Novak, Bartl). 2. State Institute Energoprojekt, Prague (for Bohal, Havlicek, Korinek).

JANUSKA, K.

Calculation of thermal cylces on automatic digital computers.
Bul EGU no. 2:28-31 '64.

BOHAL, Ladislav; DRAHNY, Miros; HAVLICEK, Rostislav; JANISKA, Karel

Methods of optimalization of parameters of nuclear power plants with heavy water gas-cooled reactors. Jaderna energie 10 no.12: 434-438 D '64.

1. State Design Institute Energoprojekt, Prague (for Bohal and Havlicek). 2. Research Institute of Power Engineering, Prague (for Drahny and Janiska).

JANUSKIS, V.

[Along the roads of Southern Siberia] Pietu Sibiru. Vilnius, Valstybine polit. ir mokslines lit-ros leidykla, 1963. 71 p. [In Lithuanian] (MIRA 18:1)

HORSKI-HORONCZYK, Stanislaw; JANUSZ, Antoni; KROLIKOWSKA, Wieslawa

A case of bilateral underdevelopment of the quadriceps femoris. Neurol. neurochir. psychiat. pol. 12 no.5:777-779 '62.

1. Z Kliniki Chorob Nerwowych AM w Lodzi Kierownik: prof. dr nauk med. E. Herman.

(MUSCULAR DISEASES) (THIGH)

JANUSZ, Andrzej, mgr.,inz.

Electric traction in the Krakow District Administration of State Railroads. Przegl kolej elektrotechn 13 no.7:202-205 '61.

MURAWSKI, Wilhelm; JANUSZ, Jan

Increased productivity of a pug mill producing tile drains of 100 mm diameter. Energetyka przem 10 no.3:105-106 '62.

1. Grudziadzkie Zaklady Ceramiki Budowlanej.

BADURA, Stanislaw, mgr inz.; FIRGANEK, Boleslaw, mgr inz.; JANUSZ, Jerzy, mgr inz.

Surge bunkers at loading stations. Przegl gorn 20 no.10: 496-501 O '64.

BADURA, Stanislaw, mgr inz.; FIRGANEK, Boleslaw, mgr inz.; JANUSZ, Jerzy, mgr inz.

Interoperational storing bunkers for underground mine transport. Glow inst gorn prace no.352/360:259-267 '64.

1. Central Mining Institute, Katowice.

BADURA, Stanislaw, mgr inz.; FIRGANEK, Boleslaw, mgr inz.; JANUSZ, Jerzy, mgr inz.

Balancing containers in the main underground transport. Wiadom gorn 16 no.3:84-88 Mr '65.

JANUSZ, MAJCHER

POLAND/Radio Physics - Radio Frequency Measurements I-7

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 8967

Author : Majcher Janusz
Inst : Not Given
Title : Modern Methods in Measurement of Time and Frequency

Orig Pub : Zesz. probl. nauki polsk., 1957, No 11, 166-176

Abstract : No abstract

Card : 1/1

JANUSZ MAJ.

POLAND/Chemical Technology - Chemical Products and Their Application, Part 4. - Cellulose and its Derivatives, Paper.

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48975

Author : Janusz Maj.
Inst :
Title : Birch Wood as Raw Material of Cellulose-Paper Industry.

Orig Pub : Przegl. papiern., 1957, 13, No 5, 136-139

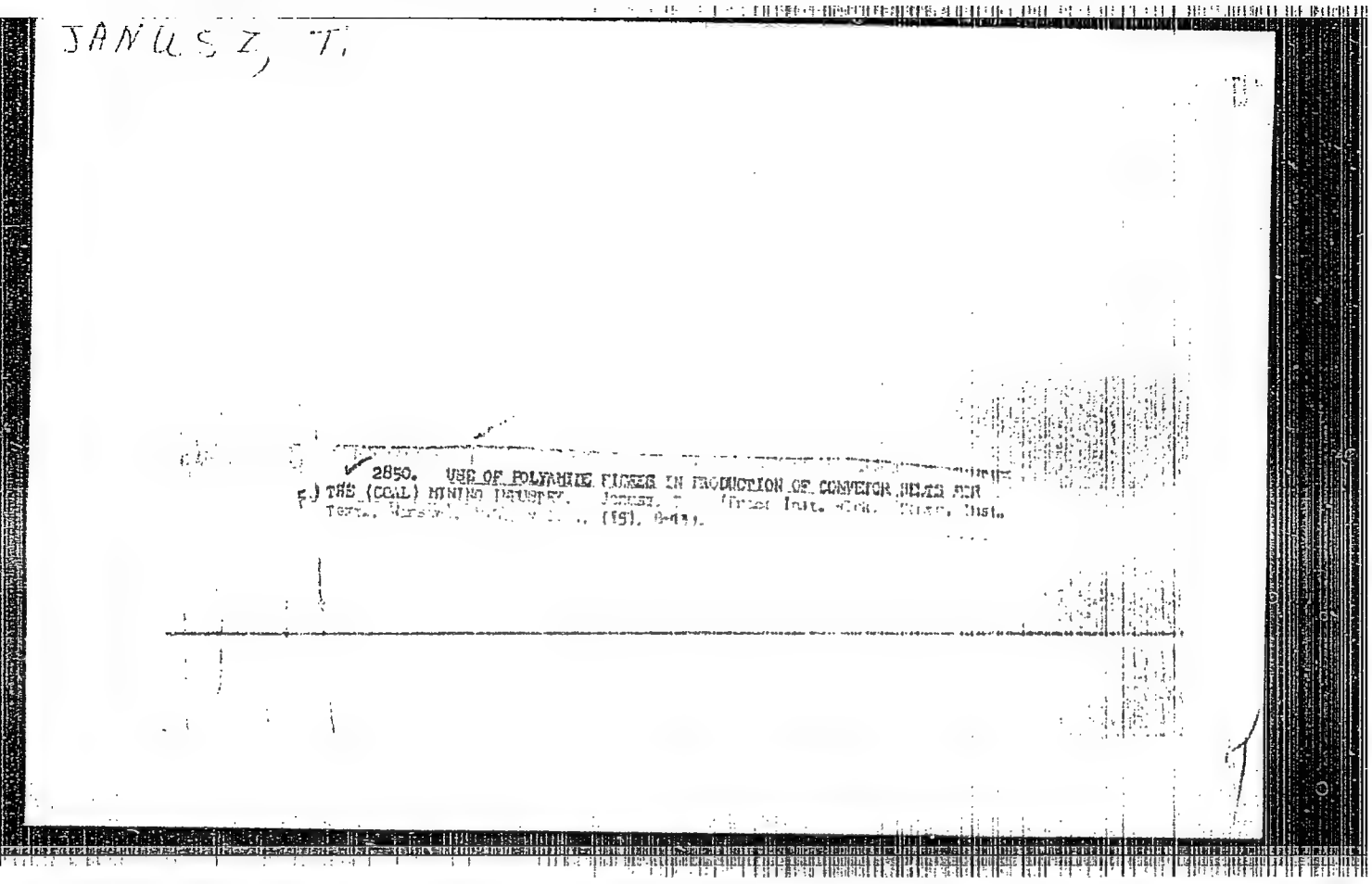
Abstract : A review (structure, chemical composition, peculiarities of processing by the sulfite, sulfate and moist methods). Bibliography with 17 titles.

Card 1/1

JANUSZ, T.

"Coefficient of compactness." p. 45 (Przemysl Wlokienniczy, Vol. 7, No. 2, Feb. 1953, Lodz)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June. 1954, Uncl.



JANUSZ, T.

2850. USE OF POLYAMIDE FIBRES IN PRODUCTION OF CONVEYOR BELTS FOR
THE (COAL) MINING INDUSTRY. Janusz, T. (Przem. Inst. Chem. Tworz. Sztucz. Inst.
Tech. Wiskozowych, Wlokien Syntet., (59), 9-41).

JANUSZ, T.

4063

677.474.772 : 622.647

Janusz T. Polyamide Fibres as Raw-Material for the Production of Conveyor Belts for the Mining Industry.

„Zastosowanie włókien poliamidowych do produkcji taśm transporterowych dla górnictwa". (Prace Inst. Włókien. No. 15), Warszawa, 1956, WPLiS. 6 pp., 4 figs., 5 tabs.

HT

The paper describes a method of determining the technical properties of conveyor-belt fabrics on the polyamide-fibres basis. Formulae are given for planning conveyor-belt fabrics of a required toughness, together with a formula for calculating the tenacity-factor of the „Niles"-type hook-coupling, and calculations, and descriptions of laboratory samples of belt-fabrics and belts. On the basis of results of laboratory tests, a sample of the best variant of the fabric was produced on a semitechnical scale. The paper quotes conditions for, and a description of, production on a semitechnical scale, and results of tests of actual performance in coal-mines. Measurements and observations served as a basis for the descriptions.

JANUSZ, T.

Applying polyamide fibers to the production of dialytic textile fabrics, Biuletyn Wlok.

p. 21
Vol. 8, no. 5, Sept./Oct. 1954
PRZEMYSL WLOKIENNICZY
Lodz

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

JANUSZ, T.

A new textile fabric for the printing industry. Biuletyn Wlok.

p. 21
Vol. 8, no. 5, Sept./Oct. 1954
PRZEMYSL WLOKIENNICZY
Lodz

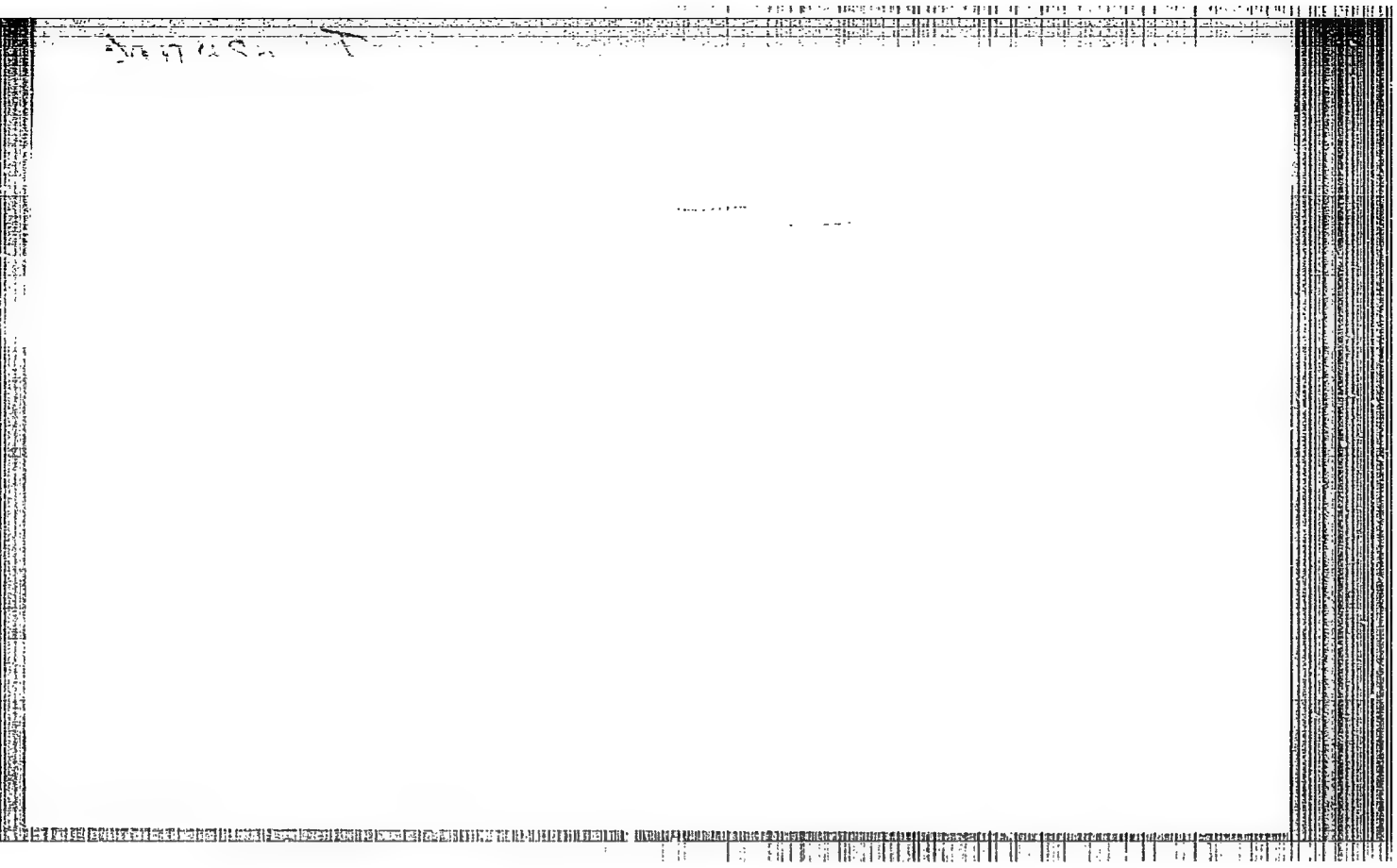
SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

JANUSZ, T.

A new type of fabric for the rims of automobile tires. Biuletyn Wlok.

p. 12 (Przerysl Wloliennniczy. Vol. 10, no. 6, June 1956. Lodz, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619520004-4"

Country : POLAND H
Category : Chemical Technology. Chemical Products (Part 4). Artificial and Synthetic Fibers
Abs. Jour. : Ref Zhur-Khim, 1959, No 7, 25687

Author : Janusz, T.
Institut. : -
Title : Fabrics from Viscose Fibers for Automobile Tires

Orig Pub. : Przegl. wlokienn., 1958, 12, No 3, 129-136

Abstract : No abstract.

Card: 1/1

SALAMON, Ferenc, inz.; JANUSZ, T. [translator]

Photometric measurements applied in kinematic and dynamic testing of weaving machinery. Przegl wlokien 16 no.7/8:401-405 Jl-Ag '62.

1. Instytut Naukowo-Badawczy Przemyslu Wlokienniczego, Budapest (for Salamon).

JANUSZ, Tomasz

Polyalcohol vinyl fibers and technology of their processing by the cotton method. Przegl wlokien 16 no.9:458-460 S '62.

1. Instytut Wlokiennictwa, Lodz.

JANUSZ, Tomasz, Mgr. ing. (Lengyelorszag)

Processing of cotton-type polyvinylalcohol fibers. Magy textil 15 no.5/6:241-243 My-Je '63.

JANUSZ, W.

Problem of work economy in adjusting geodetic networks by the method of indirect observation.

p. 192 (Prace Proceedings) Vol. 4, no. 2, 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

JANUSZ, W.

Field examination of the construction of a straight-line and equilateral polygonal traverse and conclusions drawn from this examination.

p. 207 (Prace Proceedings) Vol. 4, no. 2, 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

5833 526.913.1:519.281

Gaździcki J., ~~Janusz W.~~ Simultaneous Adjusting of Nodal Elements in Polygonal Nets.

„Jednoczesne wyrównanie azymutów i współrzędnych węzłowych w siatkach poligonowych". (Prace Inst. Geod. i Kartogr. No. 3), Warszawa, 1957, PPWK, 42 pp., 18 figs., tabs.

The adjustment of extensive polygon nets by the method of the least squares being very laborious, the approximating methods generally called "Methods of nodal points" are used. Not all known methods of nodal points are limited to this simplification: each of the nodal elements a, x, y is adjusted separately. This manner of dealing with them must necessarily lead to such an observation deformation as will prove excessive when a higher precision net is being adjusted. The paper discusses two methods of simultaneous adjusting of the nodal elements a, x, y. The observation functions adjusted by the first method are angles and lengths determined by the nodal element; and in the second — sums of angles and sums of co-ordinate increments (departure and latitude) calculated for individual polygons. Both these methods enable the adjustment of the net with the so called side connections (with additionally observed directions toward fixed points, from certain polygon points). The numerical examples given show results very close to those obtained by means of the least squares method.

JANUSZ, W.

Problem of a uniform instruction on technical traversing.

P. 95 (P. ACE, PROCEEDINGS) Poland, Vol 5, No. 1, 1957.

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11, November 1957.

JANUSZ, W.
GAZDZICKI, J.

A comparison of approximate methods of adjusting polygon nets; based on a few numerical examples. p. 87.

Warsaw. Instytut Geodezji i Kartografii. (PRACE. PROCEEDINGS. Warszawa, Poland
Vol. 6, no. 1, 1958.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 6, June 1959
Uncl.

JANUSZ, W.

SCIENCE

Periodicals: PRZEGLAD GEODEZYJNY. Vol. 14, no. 8, Aug. 1958.

JANUSZ, W. Determining the plotted location of points by means of the resection method. p. 316.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959, Unclass.

JANUSZ, W.

SCIENCE

Periodicals: PRZEGLAD GEODEZYJNY. Vol. 14, no. 8, Aug. 1958.

JANUSZ, W. The problem of balancing and equalizing geodetic nets with a small number of surplus observations. p. 334.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959, Unclass.

S/035/62/000/011/066/079
A001/A101

AUTHOR: Janusz, Wojciech

TITLE: Methods of determining deviations of the theodolite rotation axis from the vertical direction at a station

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 24, abstract 11G177 ("Prace Inst. geod. i kartogr.", 1962, v. 9, no. 1, 33 - 75, Polish; Russian and English summaries)

TEXT: Deviations γ of the theodolite rotation axis from the vertical direction can be determined by the following methods. 1) From readings z_i on the vertical circle with the fixed telescope and superposed ends of the bubble of the contact level of the vertical circle: $\gamma_i = U\sin\beta_i - V\cos\beta_i$, where $U = \gamma_{max}\cos\varphi$, $V = \gamma_{max}\sin\varphi$, $\varphi = \operatorname{arctg}\frac{V}{U}$ is the angle between the initial direction β_o on the horizontal plane and the line of its intersection with the plane inclined to the horizon at an angle γ_{max}, β_i is horizontal trace of direction corresponding to the position of the telescope sighting axis (see Figure). The un-

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knowns $\underline{U}$ and $\underline{V}$ are determined from the solution of the system of error equations: $\underline{W} + \underline{U}\sin\beta_i - \underline{V}\cos\beta_i = z_i - z_{av} + v_i$. Here $\underline{W} = \delta - z_o - z_{av}$, where δ is angle between the telescope sighting axis and the theodolite rotation axis, z_o is position of the vertical circle zero. The expression for the reduced direction β_{red} looks as follows: $\beta_{red} = \beta_{measur.} + tg\alpha(\underline{U}\cos\beta + \underline{V}\sin\beta)$, where α is inclination angle of the sighting line. This method can be used for determining differences in inclination of the theodolite rotation axis at its multiple setting in the station. 2) From readings l_i, p_i at the ends of the level bubble on the horizontal circle (main level): $-\gamma_i = \frac{l_{iI}+p_{iI}+l_{iII}+p_{iII}}{4}$, where indices I and II indicate that readings were made at diametrally opposite positions of the level. Expressing γ_i in terms of $\underline{U}$ and $\underline{V}$: $\gamma_i = \underline{U}\cos\beta_i + \underline{V}\sin\beta_i$, we obtain the system of error equations $\underline{U}\cos\beta_i + \underline{V}\sin\beta_i = -\frac{l_{iI}+p_{iI}+l_{iII}+p_{iII}}{4} + v_i$, solution of which leads to determination of the unknowns $\underline{U}$ and $\underline{V}$. The mentioned method can be applied also for determination of inclination differences of the theodolite rotation axis at its repeated setting in the station. Consecutive settings of

rors of three theodolites whose main levels had different division values p (Wild T-3, p = 7"; Zeiss Theo 010, p = 20"; Zeiss ThII, p = 75"). They showed that deviation of the theodolite rotation axis from the vertical direction can be determined more precisely by using vertical circle readings, if natural oscillations of the axis are small. Moreover, it was established that leveling accuracy of a theodolite depends mainly on the design of lifting screws. A formula is proposed for calculating the rms leveling error of a theodolite:

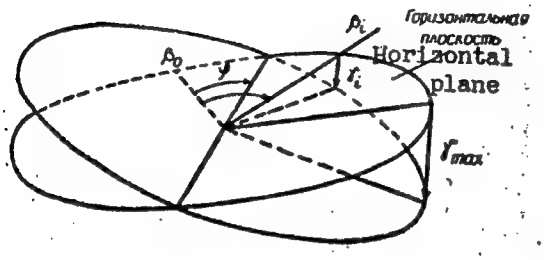
$$M_{lev} = \sqrt{(0.2p)^2 + \left(\frac{s}{2\pi rd}\right)^2 \cdot \Delta l^2},$$

where s is thread pitch of the lifting screw, r is radius of the lifting screw head, d is distance between support points of two lifting screws, Δl is linear magnitude of a point shift along the circumference of the lifting screw head at its minimum rotation. At p = 20", s = 0.75 mm, r = 18 mm, d = 100 mm, $M_{lev} = \pm 8"$. There are 6 references.

N. Modrinskiy

[Abstracter's note: Complete translation]

Figure.



Card 5/5

S/035/62/000/010/091/128
A001/A101

AUTHOR: Janusz, Wajciech

TITLE: The problem of identification of constant points in control networks for measuring deformations

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 16 - 17, abstract 10G83 ("Prace Inst. geod. i kartogr.", 1962, v. 9, no. 1, 76 - 86, Polish; Russian and English summaries)

TEXT: Calculations intended for identification of invariable marks and determination of the magnitude and displacement direction of other marks are usually carried out in the following sequence. All differences of directions in the network, obtained in two successive measurements, are adjusted jointly; simultaneously the components of displacements dx and dy of the marks are determined, assuming two points to be invariable. If, as a result of adjustment, all points are displaced by magnitudes exceeding limiting measurement errors, this will indicate the mutual displacement of the points assumed to be constant.

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In this case, two other points are selected as invariable and initially calculated coordinates are correspondingly transformed. This procedure is repeated until two points are discovered which preserve invariable position. Instead of the above-described labor-consuming method of successive approximations, the following method is recommended. When dx and dy obtained are considerable, coefficients β_{ik} of the scale change of the network are calculated:

$$\beta_{ik} = -\frac{\Delta x_{ik}}{\Delta x_{ik}^2 + \Delta y_{ik}^2} \cdot (dx_k - dx_i) -$$

$$-\frac{\Delta y_{ik}}{\Delta x_{ik}^2 + \Delta y_{ik}^2} (dy_k - dy_i),$$

The problem of identification of...

where Δx_{ik} and Δy_{ik} are differences of point coordinates with numbers i and k; dx_k, dy_k, dx_i, dy_i are components of displacements of points with numbers k and i, calculated from adjustment of direction differences. The total number of necessary coefficients is equal to $\frac{(n-1)n}{2}$, where n is the number of network points. Then points are sought for which are ends of sections with equal values of coefficients β. Assuming these points as invariable, magnitudes and directions of displacements of points, which changed their position, are calculated by transforming dx and dy obtained from adjustment of corrections. When displacements of points are insignificant, the values of coefficients β do not permit a unique identification of points whose displacement is less than errors of determination. Therefore, in every case it is necessary to see that the group of points assumed to be invariable does not contain sections, β-coefficients of which differ sharply from the others. With this purpose, β_{av} are calculated for the given group of the points:

$$\beta_{av} = \frac{[p_i \beta_i]}{[p_i]}, \quad \text{where} \quad p_i = \frac{1}{m^2 \beta_i} = \frac{\Delta x^2 + \Delta y^2}{m_d^2},$$

Card 3/4

The problem of identification of...

and m_d is calculated for each section as the error of a function:

$$m_d = m_o\sqrt{f\,(a^2)^{-1}.f.} \quad \text{Here } f = \begin{Bmatrix} -\cos\varphi \\ -\sin\varphi \\ \cos\varphi \\ \sin\varphi \end{Bmatrix}$$

$(a^2)^{-1}$ is the inverse cracowian of the cracowian of normal equation coefficient, φ is directional angle of the given section. Then rms error of one measurement is calculated:

$$M_\beta = \pm\sqrt{\frac{[(\sqrt{p_i}\cdot v\,\beta_i)^2]}{n-1}},$$

where $v\,\beta_i = \beta_{av} - \beta_i$. The value of M_β should be close to unity.

[Abstracter's note: Complete translation] N. Modrinskiy

Card 4/4

JANUSZ, Wojciech

Remarks on ways of setting regular surveying nets.
Przegl geod 35 no.1:10-13 Ja '63.

JANUSZ, Wojciech

Determining all the elements characteristic for the change in setting a theodolite at an observation station. Prace Inst geod 8 no.2:166-183 '61.

(Theodolites)

JANUSZ, Wojciech

Contribution to the problem of investigating the stability of the [illegible] theodolite vertical axis. Prace Inst geod 9 no.2:156-162 '62.

JANUSZ, Wojciech

Experiments in elaborating methods of deformation measurements of elongated structures by utilizing traverse and special measuring instruments. Prace Inst geod 10 no.1:53-75 '63.

JANUSZ, Wojciech

Concept of simultaneously using the traverse and alignment methods in the determination of deflections of long constructions. Prace inst geod 10 no. 2: 133-150 '63.

Determination of stadia constants for distance measurements with high precision. Ibid.:151-164.

JANUSZKIEWICZ, Krzysztof, mgr inz.

Results of experiments in the use of accumulator heaters in Poland. Wiad elektrotechn 32 no. 1:5-7 Ja '64.

1. Katedra Grzejnictwa Elektrycznego, Politechnika, Lodz.

JANUSZ, Wojciech

Calculation methods of horizontal dislocations of the points of geodetic networks according to observations made periodically. Przegl. geod. 36 no.2:49-56 F'64

1. Instytut Geodezji i Kartografii, Warszawa.

JANUSZ, Wojciech

Problem of automatic determination of structure deformatio
by a geodetic network model in the form of a permanent measuring
installation. Prace Inst Geod 11 no.2:129-238 '64.

1. Submitted February 1964.

JANUSZ, Wojciech

An idea of two ways of increasing the accuracy of distance measurements performed with the diaphragm stadia by bisectional aiming. Przegl geod 37 no.3:100-103 Mr '65.

1. Institute of Surveying and Cartography, Warsaw.

P/047/62/013/002/006/006
D204/D307

3,5110

AUTHOR: Januszajtis, Andrzej (Gdańsk)

TITLE: Modern models of the atmosphere

PERIODICAL: Postępy fizyki, v. 13, no. 2, 1962, 207 - 224

TEXT: A review is given of the above subject, based on both Western and Soviet-bloc work, motivated by the development of flight at high altitudes. An atmospheric model is defined as a mathematical expression of the vertical distribution of atmospheric parameters. Pascal's fundamental relationships between pressure, density, temperature, chemical composition (molecular weight) and altitude are first quoted, followed by a summary of atmsopheric models due to Jeans, Gerson, U.S. Rocket Panel, Nicolet, Mitra, Kallmann (1956 and 1959), U.S. Air Research and Development Command, Sterne and Bates. The models are briefly compared, discussed and assessed in conjunction with data obtained from artificial satellites. Fluctuations of the density of the upper atmosphere are chiefly due to: 1) The W effect-heating of the F_2 layer by shortwave radiation from

Card 1/2

JANUSZAJTIS, Andrzej

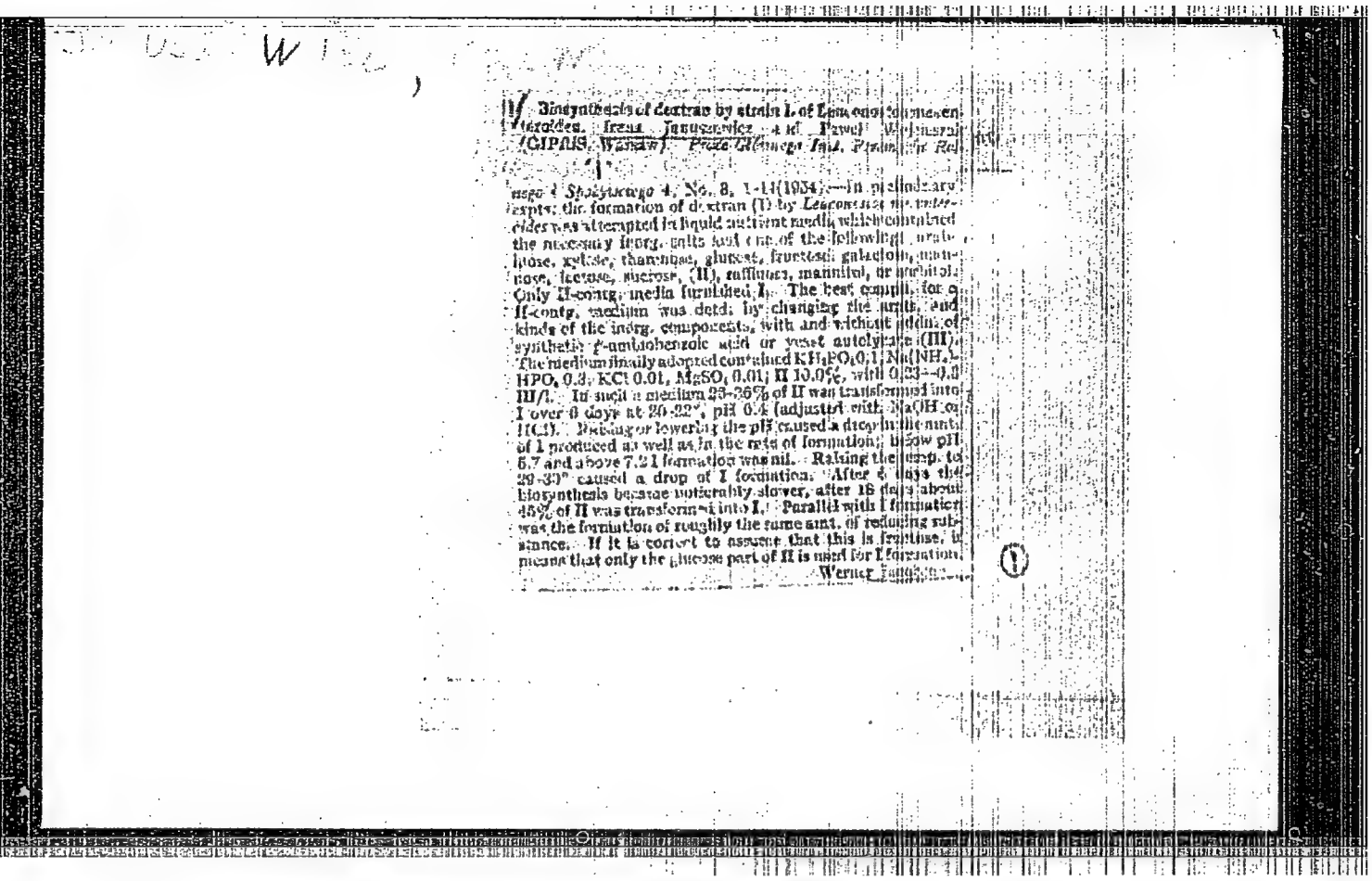
Dependence of ionization current in saturated hydrocarbon liquids on radiation energy. Acta physica Pol 24 no.6:809-816 D '63.

1. II Department of Physics, Technical University, Gdansk.

JANUSZEWICZ, Halina; MITTELSTAEDT, Maurycy

Ancylostomiasis in a patient with gastrointestinal anastomosis.
Polski tygod. lek. 11 no.19:844-846 7 May 56.

1. Z Lecznicy Ministerstwa Zdrewia; kier.: prof. dr.
Mieczyslaw Fejgin. Warszawa, Lecznica Ministerstwa Zdrowia.
(ANCYLOSTOMIASIS, case report
(Pol))



Biosynthesis of dextran by strain L of Leuconostoc mesenteroides. Irena Januszewicz and Pawel [illegible] (CIPAIS, Warsaw). *Prace Głównego Inst. Przem. Rol.* [illegible]

nspo i Spożywczego 4, No. 8, 1-11(1954).—In preliminary expts. the formation of dextran (I) by *Leuconostoc mesenteroides* was attempted in liquid nutrient media which contained the necessary inorg. salts and one of the following carbohydrates: xylose, rhamnose, glucose, fructose, galactose, mannose, lactose, sucrose, (II), raffinose, mannitol, or inositol. Only II-contg. media furnished I. The best compn. for a II-contg. medium was detd. by changing the amts. and kinds of the inorg. components, with and without addn. of synthetic *p*-aminobenzoic acid or yeast autolyzate (III). The medium finally adopted contained KH_2PO_4 0.1, $Na(NH_4)HPO_4$ 0.3, KCl 0.01, $MgSO_4$ 0.01, II 10.0%, with 0.23–0.8 III/l. In such a medium 23–26% of II was transformed into I over 6 days at 20–22°, pH 6.4 (adjusted with NaOH or HCl). Raising or lowering the pH caused a drop in the amt. of I produced as well as in the rate of formation; below pH 5.7 and above 7.2 I formation was nil. Raising the temp. to 29–30° caused a drop of I formation. After 6 days the biosynthesis became noticeably slower, after 18 days about 45% of II was transformed into I. Parallel with I formation was the formation of roughly the same amt. of reducing substance. If it is correct to assume that this is fructose, it means that only the glucose part of II is used for I formation.

Werner Langner

JANUSZEWICZ, I.

"Isolating a Strain from Leuconostoc Mesenteroides and Elaborating Conditions for the Biosynthesis of Dextran in a Laboratory." p.36
(PRZEMYSL ROLNY I SPOZYWCZY Vol. 8, no. 1, Jan. 1954 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

GANUSZEWICZ

J.

POL

3505

Januszewicz J. Lyophilisation of Strains of Aspergillus Niger. 663.11 : 576.8.095
"Liofilizacja szczepów grzyba Aspergillus niger". Przemysł Rolny i Spożywczy, No. 11, 1954, pp. 407—410, 2 figs., 2 tabs.

Thirteen different varieties of Aspergillus niger were lyophilized. Immediately after [illegible] all strains were revived, the yield of citric [illegible] as compared with the yield prior to [illegible] tubes, the lyophilized cultures revealed a change [illegible] the respective strains. The lyophilized cultures were stored [illegible] in the ice-box (from 0 °C to [illegible] from 18 to 24°C) at thermostatic temperature [illegible] After 1 years in storage no tendency was observed [illegible] ing capacity to produce citric acid.

CH

Variations in dextran-synthesizing ability of Leuconostoc mesenteroides with the method of preservation of culture. I. Januszewicz (Inst. Przemysłu Rolnego, Warsaw). *Acta Microbiol. Polon.* 4, 205–17(1955).—A dextran-producing strain of *L. mesenteroides* (*C.A.* 49, 14092*i*), producing a yield of 35% based on sugar consumption, was lyophilized. A parallel culture was stored on agar and transferred to a new slant every 4–5 days. The transferred cultures retained their productivity for 4 months, at which time a sharp drop in dextran production took place. Adding a variety of vegetable exts. or *p*-aminobenzoic acid to the transfer media did not prevent this drop. Addn. of microelements and change of pH and temp. had no effect. The lyophilized culture retained its synthesizing ability during storage but lost it during subsequent transfers. The following modifications in the medium gave improved stability to the stored and transferred strains: 0.001% $MnCl_2.4H_2O$, 0.0005% $(NH_4)_6Mo_7O_{24}.4H_2O$ and 5 ml./l. autolyzed yeast in the agar medium. The dextran-producing medium should have 0.001% $MnCl_2.4H_2O$ and pH 5.5–6.0. All the dextran produced, no matter what the yield, had the same physicochem. properties.

I. Z. Roberts

JANUSZEWICZ, I.; BRZOZOWSKA, M.; BLUM, M.

Isolating new types of Leuconostoc.

p. 304
Vol. 9, no. 7, July 1955
PRZEMYSL SPOZYWCZY
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

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Biosynthesis of dextran by various strains of Leuconostoc mesenteroides. Acta microb. polon 5 no.1-2:217-224 1956.

1. Z Zakladu Technologii Fermentacji Przemyslowych Instytutu Przemyslu Fermentacyjnego w Warszawie.
(LEUCONOSTOC, metabolism
mesenteroides, dextran synthesis by various strains (Pol))
(DEXTRAN, metabolism,
Leuconostoc mesenteroides, synthesis by various strains (Pol))

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Effect of storage conditions on chages in the biochemical properties of Leuconostoc mesenteroides. Acta Microb. polon. 6 no.4:367-376 1957

1. Z Zakladu Technologii Fermentacji Przemyslowych Instytutu Przemyslu Fermentacyjnego w Warszawie. Wplynelo dnie 29 czerwca 1957 r.
(LEUCONOSTOC, metabolism
mesenteroides, eff. of storage cond. in laboratory on biochem. activities (Pol))

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Effect of culture media on the activity of Leuconostoc mesenteroides. Acta microb.polon. 9 no.4:359-366 '60.

1. Z Pracowni Mikrobiologii Technicznej Instytutu Przemyslu Farmaceutycznego w Warszawie.
(LEUCONOSTOC culture)

JANUSZEWICZ, Irena (Warszawa); BRZOZOWSKA, Maria (Warszawa)

Use of a lactic acid solution for sterilizing malt germs, used for milk fermentation. Przem spoz 15 no.10:35-38 '61.

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Activities of the Industrial Microbiology Section of the Industrial Fermentation Institute. Przem spoz 16 no.1:61-64 '62.

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JANUSZEWICZ, J.

"Biology of lactic bacteria" by E.I. Kvasnikov, Reviewed by J. Januszewicz. Przem spoz 15 no.9:64 '61.

JANKOWSKI, Wladyslaw, mgr., inz.; KUBICKI, Jerzy, mgr., inz.; JANUSZEWICZ, Krystyna, mgr., inz.; DOMANSKA, Hanna, mgr., inz.; SAWICKI, hipolit., mgr., inz.; GACIARZ, Kazimierz, mgr., inz.

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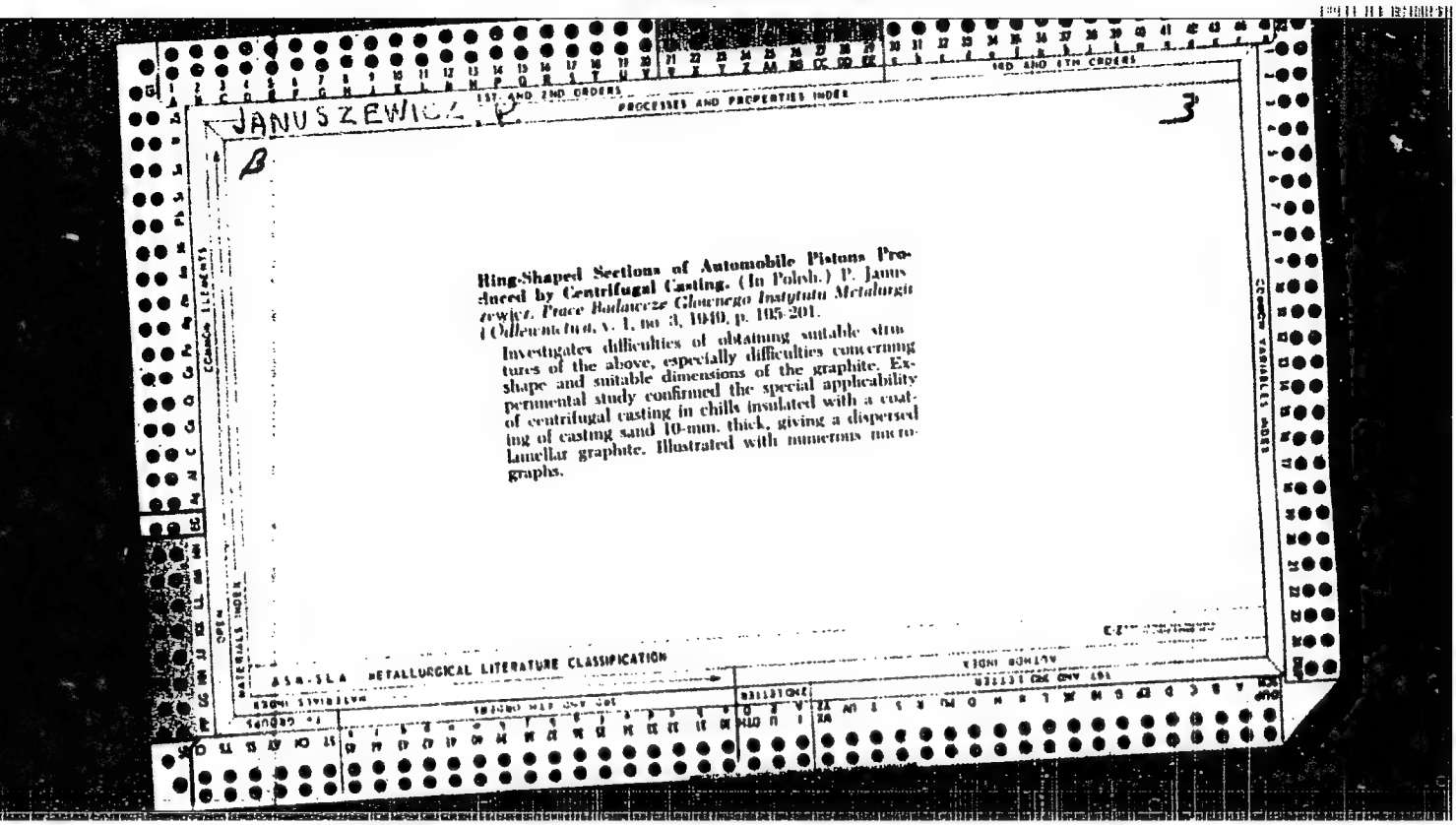

Ring-Shaped Sections of Automobile Pistons Produced by Centrifugal Casting. (In Polish.) P. Januszewicz. *Prace Badaweze Glownego Instytutu Metalurgii i Odlewnictwa*, v. 1, no. 3, 1949, p. 195-201.

Investigates difficulties of obtaining suitable structures of the above, especially difficulties concerning shape and suitable dimensions of the graphite. Experimental study confirmed the special applicability of centrifugal casting in chills insulated with a coating of casting sand 10-mm. thick, giving a dispersed lamellar graphite. Illustrated with numerous micrographs.

P1A
JANUSZEWICZ, P.

4

621.744.33

1122
Januszewicz P. **Moulding Flask Economy.**
„Gospodarka skrzynkami formierskimi". Przegląd Odlewnictwa. No. 2, 1951, pp. 42—53, 24 figs.

Requirements with which moulding flasks should comply. Resistance to wear and rigidity. Accuracy. Various means of centreing. Weight of moulding flasks. Preventing the moulding sand from dropping from the flask. Cost of flasks. Guide to moulding flask economy: storage, maintenance, repairs, checking and keeping a record of flasks.

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PTR

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1400 621.13 : 621-242.3

Januszewicz P. **New Technical Acceptance Specifications for Locomotive Piston Ring Drums.**

„Nowe warunki techniczne odbioru bębnów na parowozowe pier. ścienie tłokowe i suwakowe". Przegląd Odlewnictwa No. 7—8, 1951, pp 184—191, 7 figs., 1 tabs

Properties of piston rings Properties of cast-iron for piston rings Modulus of elasticity. Elastic and permanent deformation Expansion strength. A criticism of technical acceptance specifications hitherto in use Design of new technical acceptance specifications Isoflexes as the criterion of the quality of drums for locomotive piston rings

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619520004-4"

POL.

1260 621.743 : 621.744 : 669.046.7

Januszewicz P., Incorrect Mould and Core Production as the Cause of Casting Defects.

„Niewłaściwe wykonanie form i rdzeni jako przyczyna powstawania wad odlewów żeliwnych". Przegląd Odlewnictwa No. 8, 1954, pp. 30—39.

The author deals with the stages involved in the production of moulds and cores, and indicates irregularities which cause casting defects. The production of moulds and cores is divided into the following stages: production of the model and implements, stamping, selection of the casting method, reinforcement, ventilation, surface finish, drying, provision of the gate system, assembly and pouring. This work is a systematic analysis of technological processes from the point of view of casting defects.

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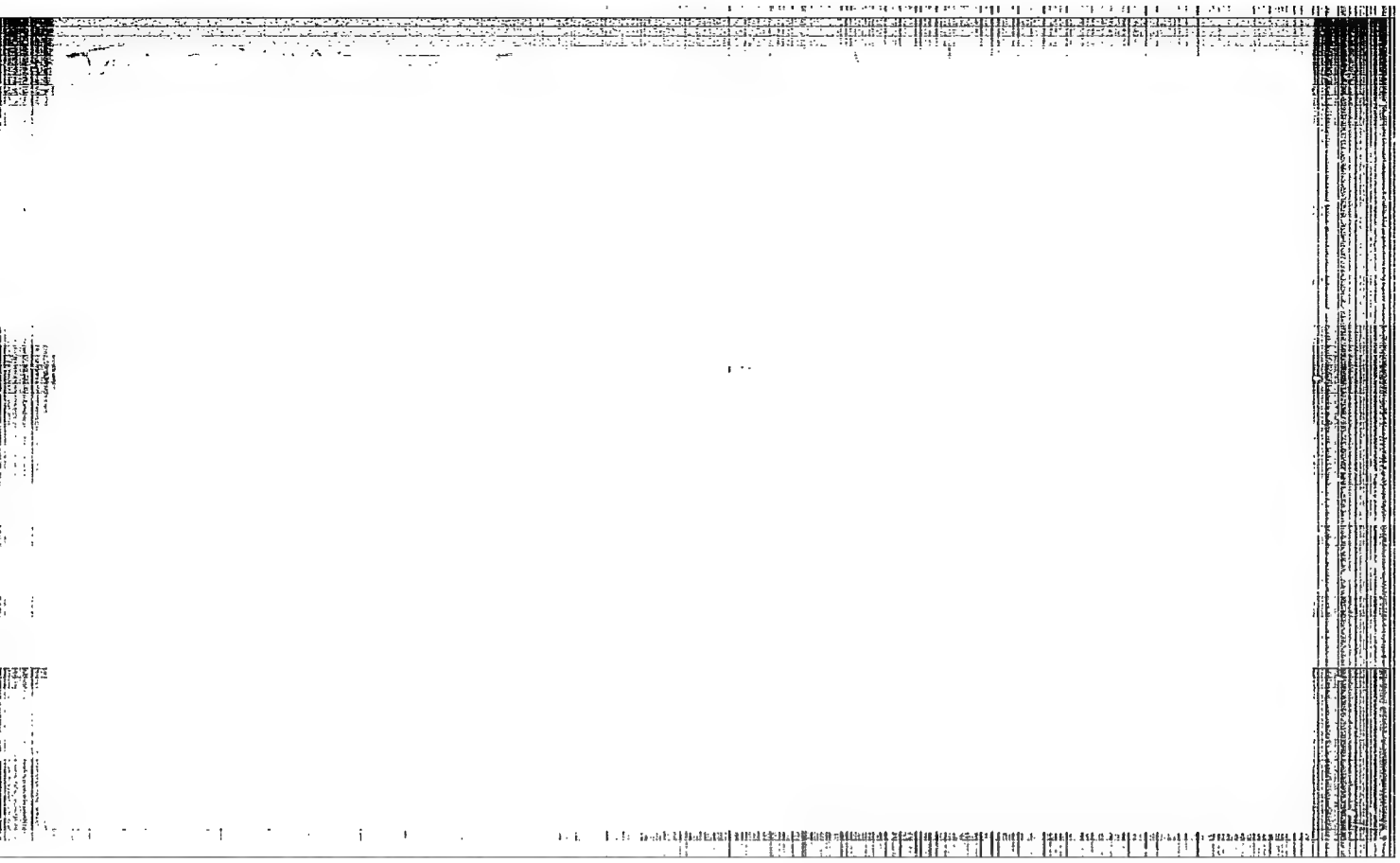

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(INZYNIERIA I BUDOWNICTWO, Vol. 6, No. 1/2 1956, Warsaw, Poland)

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hypertension, diag. & surg. (Pol))
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(AMIDINES pharmacol)

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(HYPERTENSION)

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BARDACH, Jerzy; JAGUSZEWSKA, Walerja; KANTYKA, Wieslawa; [illegible], Jadwiga

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